

	Name	Duration	Start	Finish	Pred...
1	☐Analysis Phase	19.438 day...	5/4/20 8:00 AM	5/23/20 11:30...	
2	☐Planning	10.438 day...	5/4/20 8:00 AM	5/14/20 11:30...	
3	Select Project title	1 day?	5/4/20 8:00 AM	5/4/20 5:00 PM	
4	Define project scope	1 day?	5/5/20 8:00 AM	5/5/20 5:00 PM	3
5	Work Break Down Struture	1 day?	5/6/20 8:00 AM	5/6/20 5:00 PM	4
6	Grantt Chart	1 day?	5/7/20 8:00 AM	5/7/20 5:00 PM	5
7	Prepare project proposal	3 days?	5/7/20 8:00 AM	5/9/20 5:00 PM	5
8	Prepare Video	1 day?	5/10/20 8:00 AM	5/10/20 5:00 PM	7
9	Proposal & Video Submission	1 day	5/11/20 8:00 AM	5/11/20 5:00 PM	8
10	Proposal Defense	1 day	5/13/20 11:30 AM	5/14/20 11:30 AM	9
11	☐Analysis	3 days?	5/14/20 11:30 ...	5/17/20 11:30...	
12	User story	3 days?	5/14/20 11:30 AM	5/17/20 11:30 AM	10
13	Requirement Analysis	2 days	5/14/20 11:30 AM	5/16/20 11:30 AM	10
14	☐Literature review	9 days	5/14/20 11:30 ...	5/23/20 11:30...	
15	Stuttered Speech Detection	2 days	5/14/20 11:30 AM	5/16/20 11:30 AM	10
16	Research on ML model	2 days	5/16/20 11:30 AM	5/18/20 11:30 AM	15
17	Research on features	2 days	5/18/20 11:30 AM	5/20/20 11:30 AM	16
18	Research on training model	1 day	5/20/20 11:30 AM	5/21/20 11:30 AM	17
19	Research on Framework	1 day	5/21/20 11:30 AM	5/22/20 11:30 AM	18
20	Development Methodology	1 day	5/22/20 11:30 AM	5/23/20 11:30 AM	19
21	☐Define scope	1 day?	5/21/20 11:30 ...	5/22/20 11:30...	
22	Scope of ML	1 day?	5/21/20 11:30 AM	5/22/20 11:30 AM	18
23	Scope of App	1 day?	5/21/20 11:30 AM	5/22/20 11:30 AM	18
24	☐Sprint 1	20 days?	5/22/20 11:30 ...	6/11/20 11:30...	
25	Review and fix analysis phase	3 days	5/22/20 11:30 AM	5/25/20 11:30 AM	23
26	☐Design	3 days?	5/25/20 11:30 ...	5/28/20 11:30...	
27	High system level design	1 day	5/25/20 11:30 AM	5/26/20 11:30 AM	25
28	Architecture Diagram	1 day	5/25/20 11:30 AM	5/26/20 11:30 AM	25
29	Select Hardware & Software	1 day	5/25/20 11:30 AM	5/26/20 11:30 AM	25
30	Mid Sem Checkpoint	1 day?	5/26/20 11:30 AM	5/27/20 11:30 AM	29
31	UI Design	1 day	5/27/20 11:30 AM	5/28/20 11:30 AM	30
32	☐Coding	7 days	5/28/20 11:30 ...	6/4/20 11:30 ...	
33	Data preparation	2 days	5/28/20 11:30 AM	5/30/20 11:30 AM	31
34	Audio preprocessing	3 days	5/30/20 11:30 AM	6/2/20 11:30 AM	33
35	Build neural network	2 days	6/2/20 11:30 AM	6/4/20 11:30 AM	34
36	☐Testing & Debug	4 days	6/4/20 11:30 AM	6/8/20 11:30 ...	
37	Test audio preprocessing	2 days	6/4/20 11:30 AM	6/6/20 11:30 AM	35
38	Test neural network	2 days	6/6/20 11:30 AM	6/8/20 11:30 AM	37
39	☐Review	3 days?	6/8/20 11:30 AM	6/11/20 11:30...	
40	Prepare test report	2 days	6/8/20 11:30 AM	6/10/20 11:30 AM	38
41	Final presentation	1 day?	6/10/20 11:30 AM	6/11/20 11:30 AM	40

	Name	Duration	Start	Finish	Pred...
42	☐ Sprint 2	18 days?	6/11/20 11:30 ...	6/29/20 11:30...	
43	Review and fix sprint 1	3 days	6/11/20 11:30 AM	6/14/20 11:30 AM	41
44	☐ Design	2 days	6/14/20 11:30 ...	6/16/20 11:30...	
45	Diagram modeling	2 days	6/14/20 11:30 AM	6/16/20 11:30 AM	43
46	☐ Coding	10 days	6/16/20 11:30 ...	6/26/20 11:30...	
47	Build Neural Network	3 days	6/16/20 11:30 AM	6/19/20 11:30 AM	45
48	Train neural network	5 days	6/19/20 11:30 AM	6/24/20 11:30 AM	47
49	Intergrate with sprint1	2 days	6/24/20 11:30 AM	6/26/20 11:30 AM	48
50	☐ Testing & debug	3 days?	6/26/20 11:30 ...	6/29/20 11:30...	
51	Unit testing	2 days	6/26/20 11:30 AM	6/28/20 11:30 AM	49
52	System testing	1 day?	6/28/20 11:30 AM	6/29/20 11:30 AM	51
53	☐ Review	1 day	6/28/20 11:30 ...	6/29/20 11:30...	
54	Prepare test report	1 day	6/28/20 11:30 AM	6/29/20 11:30 AM	51
55	☐ Sprint 3	16 days?	6/29/20 11:30 ...	7/15/20 11:30...	
56	Review & Fix sprint 2	1 day?	6/29/20 11:30 AM	6/30/20 11:30 AM	54
57	☐ Design	2 days?	6/30/20 11:30 ...	7/2/20 11:30 ...	
58	prepare test plan	1 day?	6/30/20 11:30 AM	7/1/20 11:30 AM	56
59	refine diagram	1 day?	7/1/20 11:30 AM	7/2/20 11:30 AM	58
60	☐ Coding	10 days	7/2/20 11:30 AM	7/12/20 11:30...	
61	Build Wavenet	3 days	7/2/20 11:30 AM	7/5/20 11:30 AM	59
62	Train wavenet	5 days	7/5/20 11:30 AM	7/10/20 11:30 AM	61
63	Evalutate wavenet	2 days	7/10/20 11:30 AM	7/12/20 11:30 AM	62
64	☐ Testing & Debug	2 days	7/12/20 11:30 ...	7/14/20 11:30...	
65	Unit testing	2 days	7/12/20 11:30 AM	7/14/20 11:30 AM	63
66	☐ Review	1 day?	7/14/20 11:30 ...	7/15/20 11:30...	
67	Prepare testing report	1 day?	7/14/20 11:30 AM	7/15/20 11:30 AM	65
68	☐ Sprint 4	35 days?	7/15/20 11:30 ...	8/19/20 11:30...	
69	Review & Fix sprint3	3 days	7/15/20 11:30 AM	7/18/20 11:30 AM	67
70	☐ Analysis	8 days	7/18/20 11:30 ...	7/26/20 11:30...	
71	Research on app development	4 days	7/18/20 11:30 AM	7/22/20 11:30 AM	69
72	Research on deploying ML	4 days	7/22/20 11:30 AM	7/26/20 11:30 AM	71
73	☐ Design	3 days	7/26/20 11:30 ...	7/29/20 11:30...	
74	Diagram modeling	3 days	7/26/20 11:30 AM	7/29/20 11:30 AM	72
75	☐ Coding	14 days	7/29/20 11:30 ...	8/12/20 11:30...	
76	Build App	7 days	7/29/20 11:30 AM	8/5/20 11:30 AM	74
77	Deploy ML	4 days	8/5/20 11:30 AM	8/9/20 11:30 AM	76
78	Intergrate App and ML	3 days	8/9/20 11:30 AM	8/12/20 11:30 AM	77
79	☐ Testing & Debug	7 days?	8/12/20 11:30 ...	8/19/20 11:30...	
80	Unit Testing	2 days	8/12/20 11:30 AM	8/14/20 11:30 AM	78
81	Integration Testing	2 days	8/14/20 11:30 AM	8/16/20 11:30 AM	80
82	System Testing	2 days	8/16/20 11:30 AM	8/18/20 11:30 AM	81
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